

HiQ[®] Specialty Gases Finder.



Methane CH₄ R-50



ADR Class 2, 1F (Compressed)
3F Refrigerated liquid)

DOT Class 2.1

CAS: 74-82-8 EC: 200-812-7 UN: 1971 (Compressed); 1972 (Refrigerated liquid)

Methane 2.5

Purity >= 99.5% (Contact local team for exact specification)

Impurities [ppm]

99.5% (Contact local team for exact specification) O₂<=100 N₂<=600 H₂<=500 Other C_nH_m<=3000

HiQ Methane 3.5

HiQ Product Code: 2081

Purity >= 99.95% (Contact local team for exact specification)

Impurities [ppm]

99.95% (Contact local team for exact specification) O₂<=30 N₂<=200 H₂<=20 Other C_nH_m<=300

HiQ Methane 4.5

Purity >= 99.995% (Contact local team for exact specification)

Impurities [ppm]

99.995% (Contact local team for exact specification) O₂<=5 N₂<=20 H₂<=5 Other C_nH_m<=20 H₂O<=5

HiQ Methane 5.5

Purity >= 99.9995% (Contact local team for exact specification)

Impurities [ppm]

99.9995% (Contact local team for exact specification) O₂<=0.5 N₂<=4 H₂<=0.1 Other C_nH_m<=1 H₂O<=2

Typical Filling Pressure: 15 °C: 200 bar(a) 70 °F: 2,400 psi(g)

Characteristics

Flammable. Colourless and odourless gas.

This is a promotional data sheet, for a full Safety Data Sheet, please contact your local Linde subsidiary

Linde AG

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Hazard classifications

EC C&L



R-Phrases

R12:

Extremely flammable

EU GHS C&L - Reg 1272/2008

Signal Word: **DANGER**



H-Statements

Physical Hazards

Compressed Gas -> H280:

Contains gas under pressure; may explode if heated

Refrigerated Gas -> H281:

Contains refrigerated gas; may cause cryogenic burns or injury.

H220:

Extremely flammable gas

Applications of this gas in pure form, or component in a gas mixture.

Aerosol propellant, Air quality monitoring, Anaesthetic, Analytical chemistry, Calibration gas mixtures, Chemical synthesis, Cutting metals, Electronics & semiconductor, Emissions control, Environmental monitoring, Fabrics & textiles, Fibre optics, Flame photometry, Foam blowing, Fuel for energy, heat & propulsion, Fumigation, Heat treatment & surface treatment of metals, Instrument calibration, Instrument setup & operation, Laboratory & process control instrumentation, Leak detection, Leather tanning, Metals cutting & welding, Metals surface treatment & heat treatment, Nuclear counters & radioactivity detectors, Nuclear power, Odorization, Optical fibres, Petrochemical & refineries, Plasma etch, Power generation & transmission, Process control instrument calibration, Process control instrument operation, Propellant for aerosols, Radioactivity detectors & nuclear counters, Rubber, Semiconductor & electronics, Solvent, Stack emissions testing, Steel making, Tanneries, Textiles & fabrics, Welding metals

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